

FIG. 1

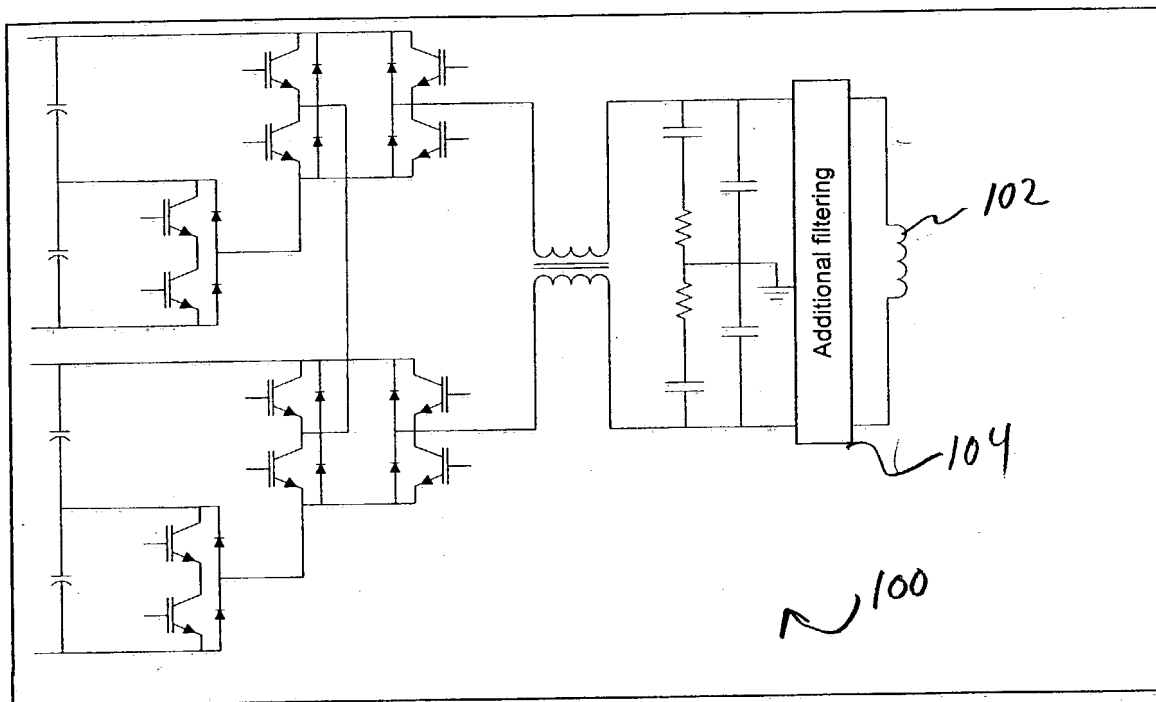


Fig. 2 PRIOR ART

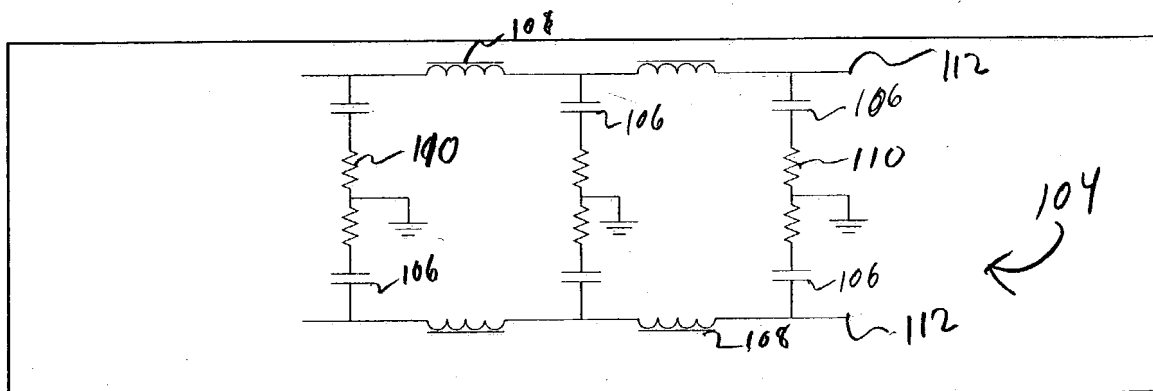


Fig. 3 PRIOR ART

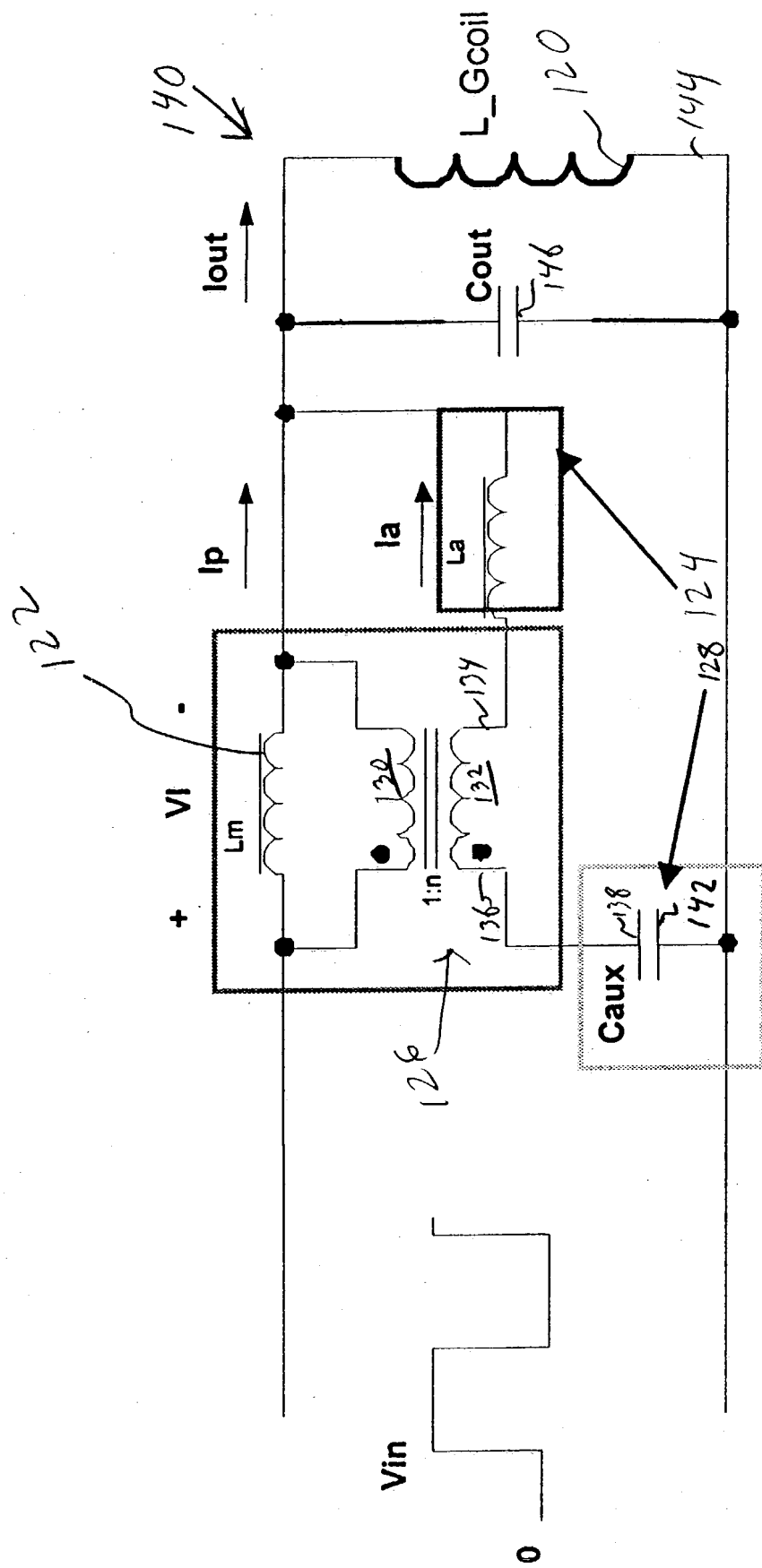


Fig. 4

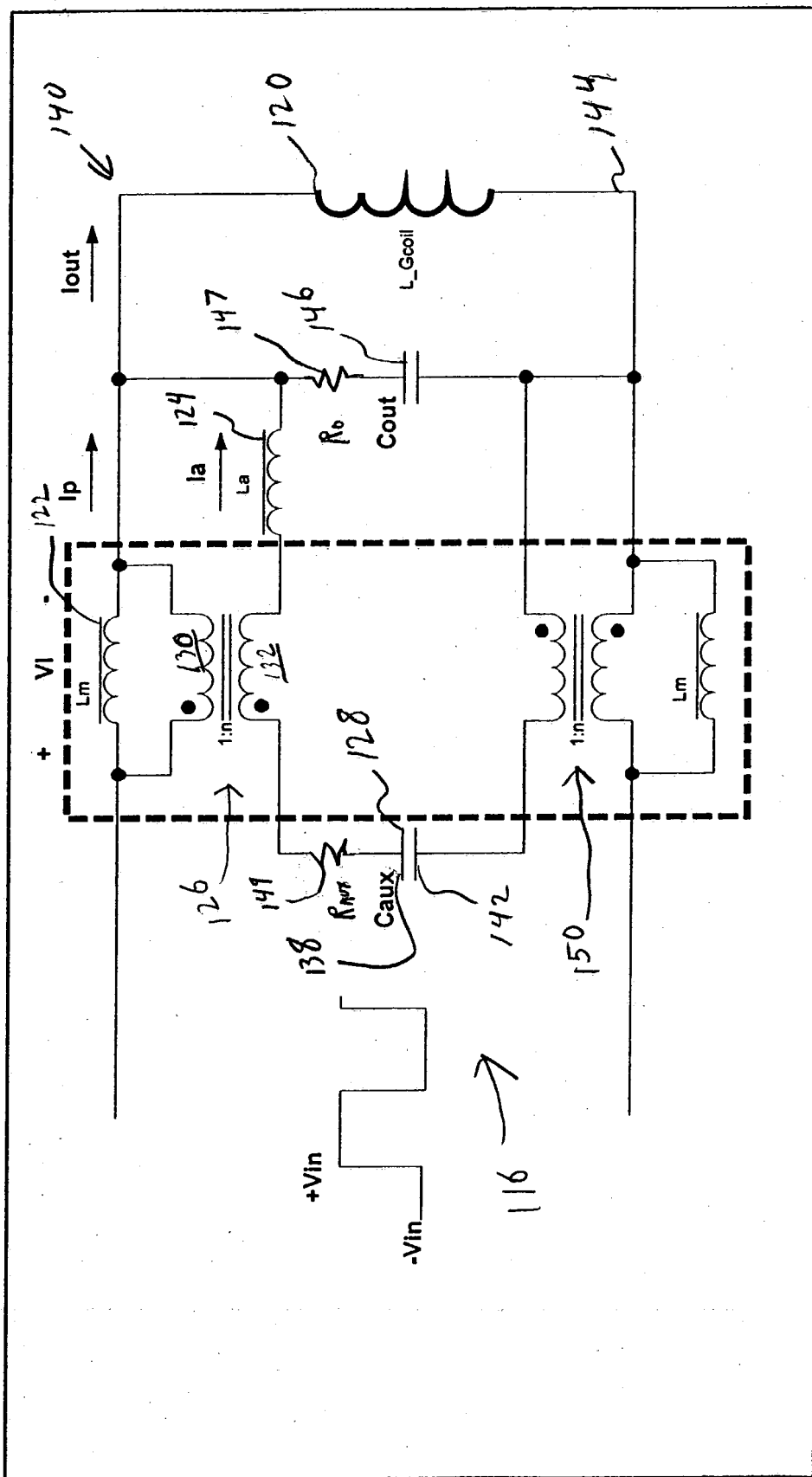


Fig. 5

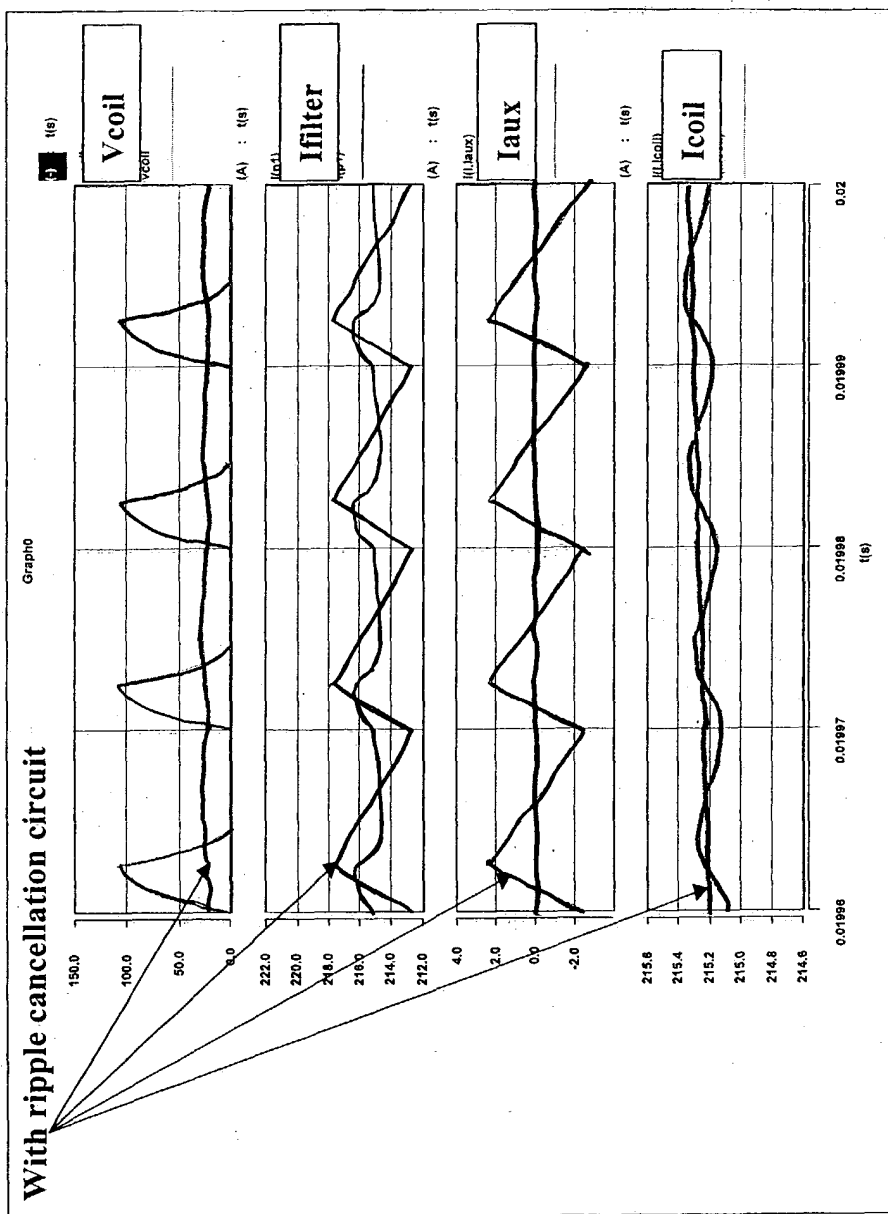
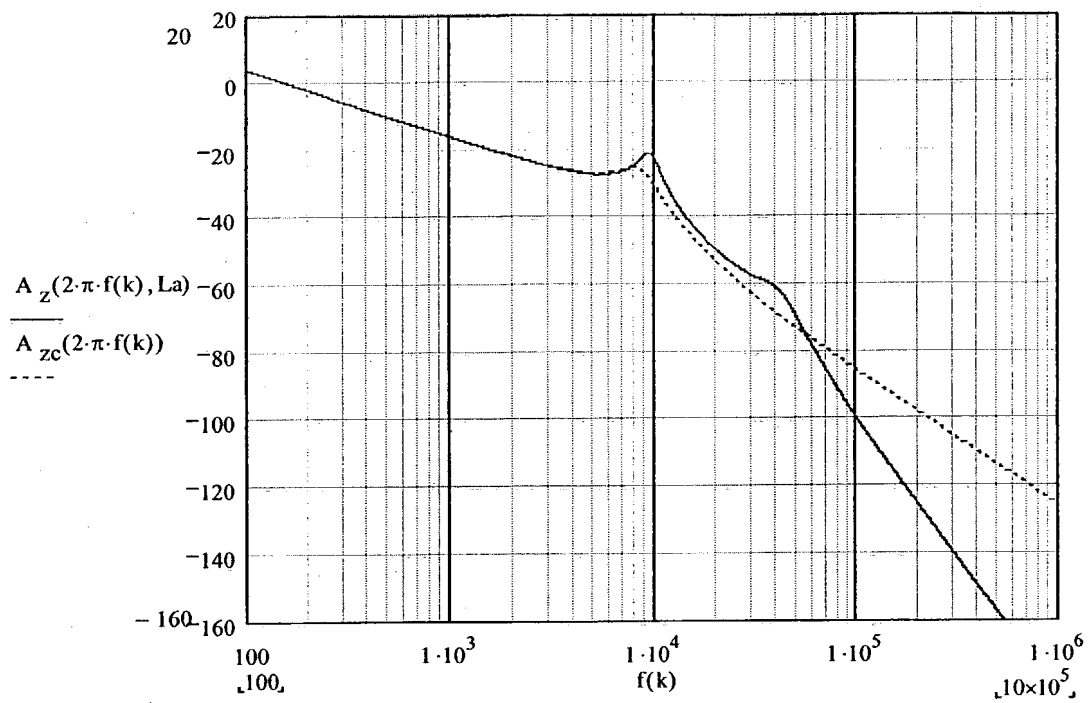


Fig 6

a) Iout/Vin



b) Phase of Iout/Vin

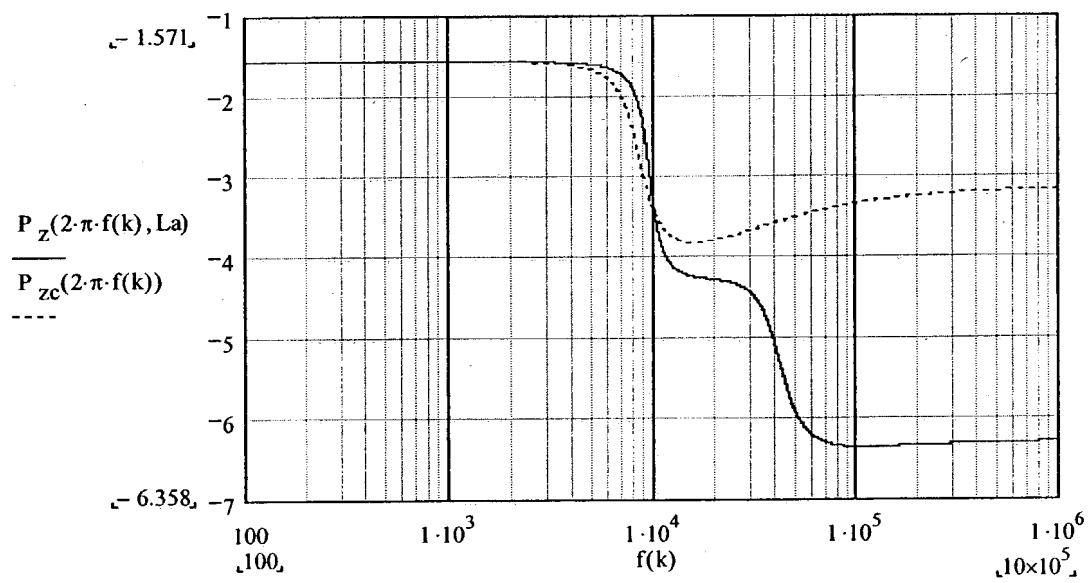
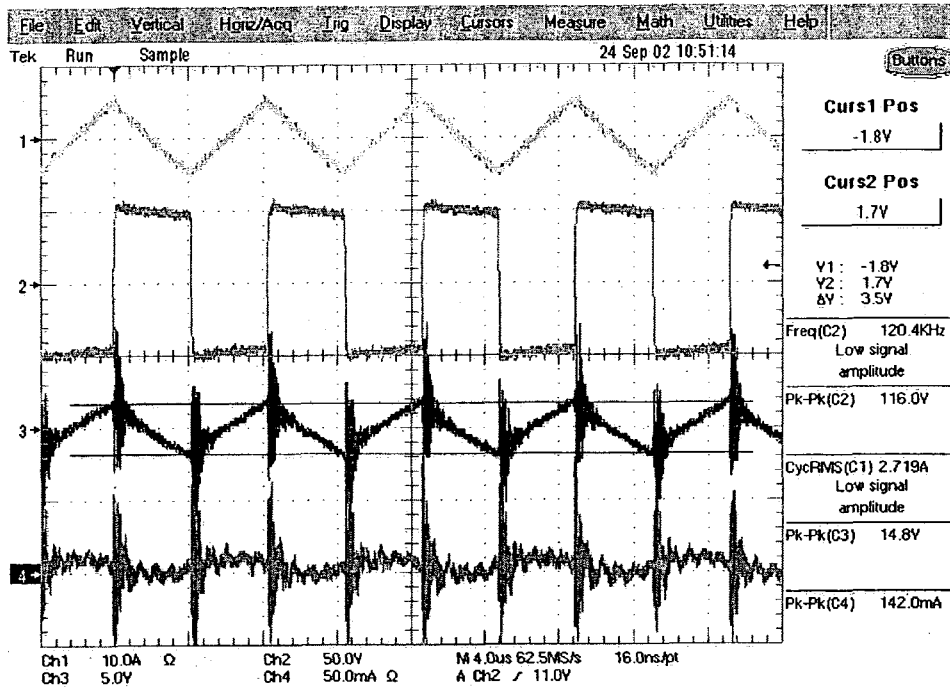


Figure 7

Waveforms with Caux = 10uF



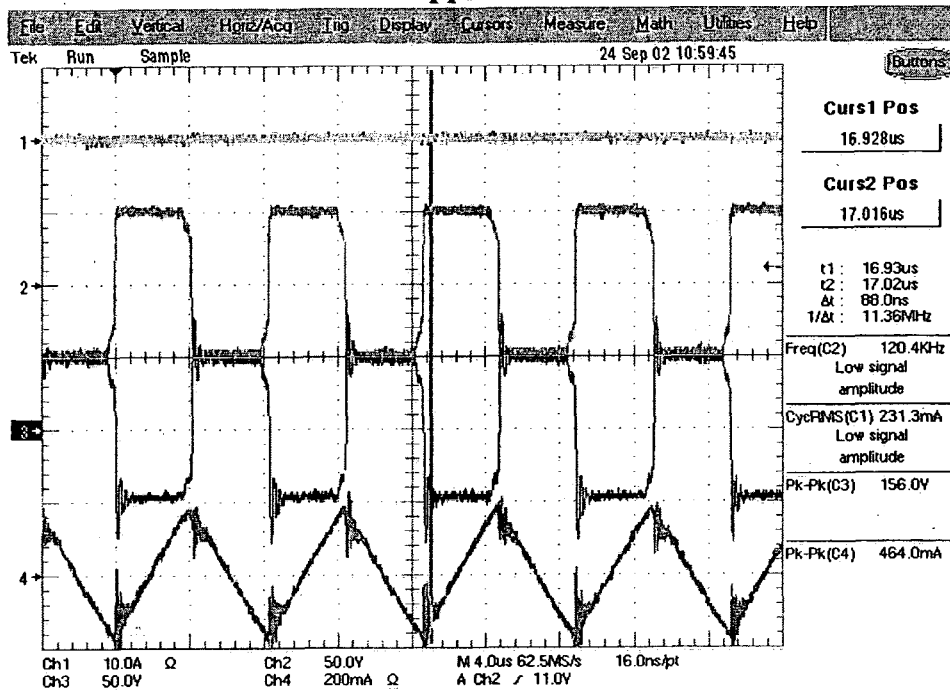
Iaux

Vin

Vcoil

Icoil

Waveforms without ripple cancellation circuit



Iaux

Vin

Vcoil

Icoil

Figure 8: Measurements for square-wave input voltage. CH1

(after dc blocking cap),

CH3 Auxiliary current,

CH4 "Gradient coil" current

Coil voltage, CH2

V input